

# North Georgia Crappie Anglers

## Emergency Repairs – Outboard Motors

Prepared by Mike McConnell

The following are tips on items to check/repairs for issues with outboard motors.

### **#1: Sputtering and Losing Power**

Running out of fuel

Water in fuel

Gas tank vent

Fuel filter

Fouled Spark plug

### **#2: Belt Broke**

If you are going to take your boat off-shore, you may want to have an extra belt and learn to replace it.

### **#3: Engine Is overheating**

Clogged water intake

Stuck thermostat

### **#4: Engine will not turn over**

Kill switch

Neutral switch

Turn on switch and check voltage at starter relay

Battery voltage - Min 12.4VDC...test on terminals and connectors

Corroded battery terminals

Loose Terminals - Do not use wing nuts on battery terminals.

Fuse

Tap on Starter

### **#5: Engine turns over but will not crank**

Electrical...

Wire connections

Fouled spark plugs

Fuel...

Air vent on tank

Clogged fuel filter

Fuel leak

Water in fuel

### **#6: Was running but died**

Out of gas

Kill switch

Fuel tank air vent

Corroded electrical terminals

Loose battery terminal

Main fuse

### **#7: Vibrating**

Damaged Prop

Fouled spark plug

Fish line

Damaged rubber bushing in prop

### **#8: Will not Shift**

Fuse if eLink

Cable Corroded - Try wiggling it

### **#9: Will not Steer**

Cable Corroded - Try wiggling it

Broken cable

### **#10: Rising Water in boat**

Broken live well plumbing

Transom drain plug

Bilge pump

### **#11: Trim Is Stuck**

Manual release

## **No. 1 Shutdown reason...**

Out of gas

## **Recommended Tools to Carry:**

Jumper cables

Volt meter

Basic electrical crimper set

WD-40 Duct tape

Electrical tape

Adjustable wrench

Screw Drivers - Flat and Phillips

Small side cutter

Small zip ties

Small nut drivers - probably metric

Pocket knife

Flash light

Wrench that will fit nuts on battery cables

Wrench that will fit your Prop nut

Fire extinguisher